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19. (currently amended) The antenna of claim 18¹⁸, wherein the motor control circuit is configured to rotate the RF reflector, monitor at least one signal strength and rotate the RF reflector to a first position where the at least one signal strength is maximized.

 20. (original) The antenna of claim 17¹⁸, wherein a signal identifier may be input into the motor control circuit; the motor control circuit operable to rotate the RF reflector to a second position at which a signal corresponding to the signal identifier is maximized.

21. (currently amended) A rotatable antenna, comprising:
an antenna element having a vertical axis;
a RF reflector rotatable about the vertical axis of the antenna element, the RF reflector mounted on a gear coupled to a motor; and
a radome that surrounds the antenna and the RF reflector, the RF reflector rotatably coupled to the radome at a top position proximate the vertical axis of the antenna element.

22. (canceled)

23. (canceled)

24. (currently amended) A rotatable antenna, comprising:
an antenna element having a vertical axis;
a RF reflector rotatable about the vertical axis of the antenna element, the RF reflector mounted on a gear coupled to a motor;
the antenna element is a first trace on a printed circuit board;
the first trace has a first plurality of round traces alternating with a first plurality of microstrip transmission lines; and